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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/000,485	12/04/2001	Osamu Tsujii	35.G2950	9623

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EXAMINER	
HAMZA, FARUK	

ART UNIT	PAPER NUMBER
2155	

DATE MAILED: 01/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/000,485	TSUJII ET AL.	
	Examiner	Art Unit	
	Faruk Hamza	2155	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *07 November 2005*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-24* is/are pending in the application.

4a) Of the above claim(s) *25-30* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-24* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *04 December 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *01/25/02*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. This action is responsive to the amendment filed on November 07, 2005. Applicant's election without traverse of Group I (Claims 1-24) in the reply filed on November 07, 2005 is acknowledged. Claims 1-24 are now pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Sivan et al. (U.S. Patent Number 6,281,874) hereinafter referred as Sivan.

Sivan teaches the invention as claimed including a method and system for downloading graphic images on the networks, at least one high-resolution graphic image file of a reference image is stored at a network server. At least part of the reference image is compressed and downloaded at reduces resolution from the network server to client connected to the network server (See abstract).

As to claim 1, Sivan teaches an information processing apparatus for processing a data stream inputted via a network, comprising:

an input unit adapted to input a data stream via a network (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses input unit to input data stream);

an analysis unit adapted to analyze the data stream inputted via the input unit (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses analyzing data stream);

a generation unit adapted to, in accordance with an analysis result made by the analysis unit, interrupt input of the data stream performed by the input unit and generate an interrupted stream from the data stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses generating interrupted data stream); and

an interrupted-stream storage unit adapted to store the interrupted stream generated by the generation unit, wherein in said analysis, at least one of a

compression ratio, a signal-to-noise ratio, an amount of data, and a number of layers of said data stream is employed as an analysis condition (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses storing interrupted stream).

As to claim 2, Sivan teaches an information processing apparatus according to claim 1, further comprising an output unit adapted to output the interrupted stream stored in the interrupted-stream storage unit, in response to a request for outputting the data stream (Fig. 4, Column 7, lines 4-13).

As to claim 3, Sivan teaches an information processing apparatus according to claim 1, further comprising a setting unit adapted to set or update a reference value indicating said analysis condition of the analysis unit, wherein the analysis unit analyzes the data stream inputted by the input unit, with respect to the reference value (Column 4, lines 33-65).

As to claim 4, Sivan teaches an information processing apparatus according to claim 3, further comprising an interrupt information storage unit adapted to store the reference value as interrupt information associated with the interrupted stream, wherein the analysis unit compares the reference value updated by the setting unit with the interrupt information and inputs a partial data stream following the interrupted stream via the input unit, in accordance with a

comparison result, wherein the generation unit generates a new interrupted stream from the interrupted stream stored in the interrupted-stream storage unit and the partial data stream, and wherein the interrupt information storage unit stores the updated reference value as new interrupt information (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25).

As to claim 5, Sivan teaches an information processing apparatus according to claim 4, wherein the output unit outputs the interrupt information together with the interrupted stream (Fig. 4).

As to claim 6, Sivan teaches a method of controlling an information processing apparatus for processing a data stream inputted via a network, the method comprising:

an input step of inputting a data stream via a network (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses input unit to input data stream);

an analysis step of analyzing the data stream inputted via the input step (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses analyzing data stream);

a generating step of, in accordance with an analysis result made in the analysis step, interrupting input of the data stream in the input step and generating an interrupted stream from the data stream (Column 4, lines 33-

Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses generating interrupted data stream); and

an interrupted-stream storage step of storing, on a first storage medium, the interrupted stream generated in the generating step, wherein in said analysis, at least one of a compression ratio, a signal-to-noise ratio, an amount of data, and a number of layers of said data stream is employed as an analysis condition (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses storing interrupted stream).

As to claim 7, Sivan teaches a method for controlling an information processing apparatus according to claim 8, further comprising an output step of outputting the interrupted stream stored in the interrupted-stream storage step, in response to a request for outputting the data stream (Column 7, lines 4-13).

As to claim 8, Sivan teaches a method for controlling an information processing apparatus according to claim 6, further comprising a setting step of setting or updating a reference value indicating said analysis condition in the analysis step, wherein the analysis step analyzes the data stream inputted in the input step, with respect to the reference value (Column 4, lines 33-65).

As to claim 9, Sivan teaches a method for controlling an information processing apparatus according to claim 8, further comprising an interrupt

information storage step of storing, on a second storage medium, the reference value as interrupt information associated with the interrupted stream, wherein the analysis step compares the reference value updated in the setting step with the interrupt information and inputs a partial data stream following the interrupted stream via the input step, in accordance with a comparison result, wherein the generating step generates a new interrupted stream from the interrupted stream stored on the first storage medium in the interrupted-stream storage step and the partial data stream, and wherein the interrupt information storage step stores, on the second storage medium, the updated reference value as new interrupt information (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25).

As to claim 10, Sivan teaches a method for controlling an information processing apparatus according to claim 9, wherein the output step outputs the interrupt information together with the interrupted stream (Fig. 4).

As to claim 11, Sivan teaches a computer-readable memory medium storing a program for implementing a method of controlling an information processing apparatus, the program comprising:

a program code of an input step of inputting a data stream via a network (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses input unit to input data stream);

a program code of an analysis step of analyzing the data stream inputted via the input step (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses analyzing data stream);

a program code of a generating step of, in accordance with an analysis result made in the analysis step, interrupting input of the data stream in the input step and generating an interrupted stream from the data stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses generating interrupted data stream); and

a program code of an interrupted-stream storage step of storing, on a first storage medium, the interrupted stream generated in the generating step, wherein in said analysis, at least one of a compression ratio, a signal-to-noise ratio, an amount of data, and a number of layers of said data stream is employed as an analysis condition (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses storing interrupted stream).

As to claim 12, Sivan teaches an information processing apparatus for processing a data stream inputted via a network, comprising:

an input unit adapted to input a data stream via a network (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses input unit to input data stream);

an interrupted-stream storage unit adapted to store an interrupted stream generated by interrupting the data stream (Column 4, lines 33-Column 6, lines

35; Column 6, lines 52-Column 8, lines 25, Sivan discloses generating interrupted data stream);

an interrupt information storage unit adapted to store interrupt information associated with the interrupted stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses storing interrupted information); and

an output unit adapted to output the interrupted stream stored in the interrupted-stream storage unit, in response to a request for outputting the data stream, wherein said interrupt information is at least one of a compression ratio, a signal-to-noise ratio, an amount of data, and a number of layers of said data stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses outputting interrupted stream).

As to claim 13, Sivan teaches an information processing apparatus according to claim 12, wherein the output unit inputs a partial data stream following the interrupted stream via the input unit (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25).

As to claim 14, Sivan teaches an information processing apparatus according to claim 12, further comprising a setting unit adapted to set or update the interrupt information, wherein the output units inputs a partial data stream following the interrupted stream via the input unit, in accordance with the interrupt

information updated by the setting unit, and generates a new interrupted stream from the interrupted stream stored in the interrupted-stream storage unit and the partial data stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25).

As to claim 15, Sivan teaches an information processing apparatus according to claim 12, wherein the output unit outputs the interrupt information together with the interrupted stream (Fig. 4).

As to claim 16, Sivan teaches a method of controlling an information processing apparatus for processing a data stream inputted via a network, the method comprising:

an input step of inputting a data stream via a network (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses input unit to input data stream);

an interrupted-stream storage step of storing, on a first storage medium, an interrupted stream generated by interrupting the data stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses generating interrupted data stream);

an interrupt information storage step of storing, on a second storage medium, the interrupt information associated with the interrupted stream (Column

4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses storing interrupted information); and

an output step of outputting the interrupted stream stored on the first storage medium in the interrupted-stream storage step, in response to a request for outputting the data stream, wherein said interrupt information is at least one of a compression ratio, a signal-to-noise ratio, an amount of data, and a number of layers of said data stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses outputting interrupted stream).

As to claim 17, Sivan teaches a method for controlling an information processing apparatus according to claim 16, wherein the output step inputs a partial data stream following the interrupted stream, via the input step (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25).

As to claim 18, Sivan teaches a method for controlling an information processing apparatus according to claim 16, further comprising a setting step of setting the interrupt information, wherein, in accordance with the interrupt information updated in the setting step, the output step inputs, via the input step, a partial data stream following the interrupted stream and generates a new interrupted stream from the partial data stream and the interrupted stream stored on the second storage medium in the interrupted-stream storing step (Column 4,

lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25).

As to claim 19, Sivan teaches a computer-readable memory medium storing a program for implementing a method of controlling an information processing apparatus, the program comprising:

a program code of an input step of inputting a data stream via a network (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses input unit to input data stream);

a program code of an interrupted-stream storage step of storing, on a first storage medium, an interrupted stream generated by interrupting the data stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses generating interrupted data stream);

a program code of an interrupt information storage step of storing, on a second storage medium, the interrupt information associated with the interrupted stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses storing interrupted information); and

a program code of an output step of outputting the interrupted stream stored on the first storage medium in the interrupted-stream storage step, in response to a request for outputting the data stream, wherein said interrupt information is at least one of a compression ratio, a signal-to-noise ratio, an amount of data, and a number of layers of said data stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses

outputting interrupted stream).

As to claim 20, Sivan teaches an information processing apparatus for processing a data stream inputted via a network, comprising:

an input unit adapted to input a data stream via a network (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses input unit to input data stream);

an analysis unit adapted to analyze the data stream inputted via the input unit (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses analyzing data stream);

a generating unit adapted to, in accordance with an analysis result made by the analysis unit, interrupt input of the data stream via the input unit and generate an interrupted stream from the data stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses generating interrupted data stream);

an interrupted-stream storage unit adapted to store the interrupted stream generated by the generating unit (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses generating interrupted data stream);

an interrupt information storage unit adapted to store interrupt information associated with the interrupted stream (Column 4, lines 33-Column 6, lines 35;

Column 6, lines 52-Column 8, lines 25, Sivan discloses storing interrupted information); and

an output unit adapted to output the interrupted stream and the interrupt information to an external apparatus connected to the network, wherein in said analysis, at least one of a compression ratio, a signal-to-noise ratio, an amount of data, and a number of layers of said data stream is employed as an analysis condition (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses outputting interrupted stream).

As to claim 21, Sivan teaches an information processing apparatus according to claim 20, further comprising a setting unit adapted to set or update a reference value indicating said analysis condition of the analysis unit, wherein the analysis unit analyzes the data stream inputted via the input unit, with respect to the reference value (Column 4, lines 33-65).

As to claim 22, Sivan teaches a method of controlling an information processing apparatus for processing a data stream inputted via a network, the method comprising:

an input step of inputting a data stream via a network (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses input unit to input data stream);

an analysis step of analyzing the data stream inputted via the input step (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses analyzing data stream);

a generating step of, in accordance with an analysis result made in the analysis step, interrupting input of the data stream in the input step and generating an interrupted stream from the data stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses generating interrupted data stream);

an interrupted-stream storage step of storing, on a first storage medium, the interrupted stream generated in the generating step (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses generating interrupted data stream);

an interrupt information storage step of storing, on a second storage medium, the interrupt information associated with the interrupted stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses storing interrupted information);

and an output step of outputting the interrupted stream and the interrupt information to an external apparatus connected to the network, wherein in said analysis, at least one of a compression ratio, a signal-to-noise ratio, an amount of data, and a number of layers of said data stream is employed as an analysis condition (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8,

lines 25, Sivan discloses outputting interrupted stream).

As to claim 23, Sivan teaches a method for controlling an information processing apparatus according to claim 22, further comprising a setting step of setting a reference value indicating said analysis condition in the analysis step, wherein the analysis step analyzes the data stream inputted via the input step, with respect to the reference value (Column 4, lines 33-65).

As to claim 24, Sivan teaches a computer-readable memory medium storing a program for implementing a method of controlling an information processing apparatus, the program comprising:

a program code of an input step of inputting a data stream via a network (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses input unit to input data stream);

a program code of an analysis step of analyzing the data stream inputted via the input step (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses analyzing data stream);

a program code of a generating step of, in accordance with an analysis result made in the analysis step, interrupting input of the data stream in the input step and generating an interrupted stream from the data stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses generating interrupted data stream);

a program code of an interrupted-stream storage step of storing, on a first storage medium, the interrupted stream generated in the generating step (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses generating interrupted data stream);

a program code of an interrupt information storage step of storing, on a second storage medium, the interrupt information associated with the interrupted stream (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses storing interrupted information); and

a program code of an output step of outputting the interrupted stream and the interrupt information to an external apparatus connected to the network, wherein in said analysis, at least one of a compression ratio, a signal-to-noise ratio, an amount of data, and a number of layers of said data stream is employed as an analysis condition (Column 4, lines 33-Column 6, lines 35; Column 6, lines 52-Column 8, lines 25, Sivan discloses outputting interrupted stream).

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Faruk Hamza whose telephone number is 571-272-7969. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached at 571-272-4006. The fax

phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 886-217-9197 (toll –free).

Faruk Hamza

Patent Examiner

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SALEH NAJJAR
SUPERVISORY PATENT EXAMINER